

OPINION 1203

ERIOCOCCIDAE COCKERELL, 1899 CONSERVED:
TYPE SPECIES DESIGNATED FOR *ERIOCOCCUS*
TARGIONI-TOZZETTI, 1868 (INSECTA, HOMOPTERA)

RULING.— (1) Under the plenary powers

- (a) all designations of type species hitherto made for the nominal genus *Eriococcus* Targioni-Tozzetti, 1868, are hereby set aside and *Coccus buxi* Fonscolombe, 1834 is hereby designated as type species of that genus;
- (b) it is hereby ruled that the family-group name ERIOCOCCINI Cockerell, 1899 (type genus *Eriococcus* Targioni-Tozzetti, 1868) is to be given precedence over the family-group name ACANTHOCOCCIDAE Signoret, 1875 (type genus *Acanthococcus* Signoret, 1875) whenever the two names are held to denote a single taxon at any given level in the family group.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:

- (a) *Eriococcus* Targioni-Tozzetti, 1868 (gender: masculine), type species, by designation under the plenary powers in (1)(a) above, *Coccus buxi* Fonscolombe, 1834 (Name Number 2153);
- (b) *Acanthococcus* Signoret, 1875 (gender: masculine), type species, by monotypy, *Acanthococcus aceris* Signoret, 1875 (Name Number 2154).

(3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:

- (a) *buxi* Fonscolombe, 1834, as published in the binomen *Coccus buxi* (specific name of type species of *Eriococcus* Targioni-Tozzetti, 1868) (Name Number 2790);
- (b) *aceris* Signoret, 1875, as published in the binomen *Acanthococcus aceris* (specific name of type species of *Acanthococcus* Signoret, 1875) (Name Number 2791).

(4) The following family-group names are hereby placed on the Official List of Family-Group Names in Zoology with the endorsements and Name Numbers specified:

- (a) ERIOCOCCINI Cockerell, 1899 (type genus *Eriococcus* Targioni-Tozzetti, 1868) with an

endorsement that it is to be given precedence over ACANTHOCOCCIDAE Signoret, 1875 (type genus *Acanthococcus* Signoret, 1875) whenever both names are held to denote a single taxon at any given level in the family group (Name Number 534);

- (b) ACANTHOCOCCIDAE Signoret, 1875 (type genus *Acanthococcus* Signoret, 1875) with an endorsement that it is not to be given priority over ERIOCOCCINI Cockerell, 1899 whenever both names are held to denote a single taxon at any given level in the family group (Name Number 535).

HISTORY OF THE CASE Z.N.(S.) 2140

An application for the conservation of the family-group name ERIOCOCCIDAE Cockerell, 1899 and for the designation of a type species for *Eriococcus* Targioni-Tozzetti, 1868 was first received from Dr Douglass R. Miller (*Systematic Entomology Laboratory, USDA, Beltsville Agricultural Research Center*) and Dr D.J. Williams (*Commonwealth Institute of Entomology, London*) in August, 1975. After some discussion it was sent to the printer on 9 June 1976 and published on 30 September 1976 in *Bull. zool. Nom.* vol. 33, pp. 118–123. Public notice of the possible use of the plenary powers in the case was given in the same part of the Bulletin as well as to the statutory journals, to seven general and seven entomological journals.

The application was supported by Dr Y. Ben-Dov (then of *Plant Protection Research Institute, Pretoria, RSA*) (*Bull. zool. Nom.* vol. 34, pp. 7–8) and Dr S. Nakahara (*Agricultural Research Center, Beltsville*). No adverse comment was received.

DECISION OF THE COMMISSION

On 24 November 1980 the members of the Commission were invited to vote under the Three-Month Rule in Voting Paper (1980)38 for or against the proposals set out in *Bull. zool. Nom.* vol. 33, pp. 121–122. At the close of the voting period on 24 February 1981, the state of the voting was as follows:

Affirmative Votes — twenty-two (22) received in the following order: Melville, Holthuis, Brinck, Willink, Mroczkowski, Trjapitzin, Alvarado, Starobogatov, Habe, Corliss, Hahn, Welch, Dupuis (in part), Tortonese, Ride, Lehtinen, Heppell (in part), Bayer, Binder, Bernardi, Nye, Sabrosky

Negative Votes (against proposals (1)(b) and (4)): Dupuis, Heppell.

Cogger abstained. Vokes and Halvorsen were on leave of absence. No voting paper was returned by Kraus.

The following comments were returned by members of the Commission with their voting papers:

Dupuis: 'Je vote contre les points 1b et 4, dont la rédaction ne me paraît pas claire, qui mélangent des questions taxinomiques avec des questions nomenclatoriales, et dont l'efficacité conservatrice me paraît très limitée.

'En prenant à la lettre la rédaction proposée, il suffirait qu'un auteur considère les ERIOCOCCIDAE — réduits au seul genre *Eriococcus* — et les ACANTHOCOCCIDAE — avec tous les autres genres — comme deux taxa équivalents subordonnés à un supertaxon, p. ex. ACANTHOCOCCOIDEA, pour que la "conservation" d'ERIOCOCCIDAE soit inopérante.

'Pour conserver durablement ERIOCOCCIDAE par rapport à ACANTHOCOCCIDAE, il faut déclarer: "si les deux genres *Eriococcus* et *Acanthococcus* — et eux seuls — sont en compétition pour typifier et nommer un taxon de rang supérieur, on donnera la préséance à *Eriococcus*, indépendamment de la priorité possible d'un nom supergénérique fondé sur *Acanthococcus*".

'La compétition avec d'autres genres (par hypothèse *Kermes*, cf. Bull. zool. Nom. vol. 33, p. 120, alinéa 13) doit, bien entendu, rester taxinomiquement possible, d'où la formule "et eux seuls". Si une telle compétition se présentait, la préservation d'ERIOCOCCIDAE serait à nouveau en cause.'

Note by the Secretary: I put the first part of Professor Dupuis' comment to Dr Williams. He said that *Eriococcus* and *Acanthococcus* are taxonomically so close that it is in the highest degree unlikely that they would ever be placed in separate families. He also thought it unlikely that the group would be raised to the status of a superfamily, but if it were, and if the name ACANTHOCOCCOIDEA were used, he saw no difficulty arising. R.V.M.

Ride: The Secretary is asked to examine Cockerell, 1899, to determine whether the name ACANTHOCOCCIDAE was changed to ERIOCOCCINI because of synonymy of the type genus. The evidence need not be derived solely from that work. If so, the ruling called for in proposal (1)(b) is unnecessary and does not require the plenary powers. The endorsements sought under (4)(a) and (b) should refer to the requirements of Article 40b; the authorship and date of ERIOCOCCIDAE should be cited as "Cockerell, 1899 (1875)".

Note by the Secretary: ERIOCOCCINI was proposed conditionally as a new name in its own right as follows: 'The *Coccinae* could very well be divided into two subfamilies and four

tribes, as follows:

(A) COCCINAE

(1) Coccinae, with *Coccus*, etc.

(2) Eriococcini, with *Eriococcus*, etc.

(B) DACTYLOPIINAE (etc.)'

and a brief description of each unit is given. The tribal names are not, however, used in the ensuing checklist and there is no mention of *Acanthococcus* at all. Article 40 is accordingly not relevant to the case. R.V.M.

Cogger: 'It is clear from the submission that the taxonomy of the groups is far from stable, and that it would be premature to use the plenary powers to settle what is primarily a taxonomic problem. The submission also leaves a number of important questions unanswered: for example, how many of Fonscolombe's names are fixed by available type specimens. On these grounds — intrusion into a taxonomic problem and an incomplete application — I abstain from voting.'

ORIGINAL REFERENCES

The following are the original references for the names placed on Official Lists by the ruling given in the present Opinion:

ACANTHOCOCCIDAE Signoret, 1875, *Annls Soc. entomol. France* (5) vol. 5, p. 16

Acanthococcus Signoret, 1875, *Annls Soc. entomol. France* (5) vol. 5, p. 34

aceris, *Acanthococcus*, Signoret, 1875, *Annls Soc. entomol. France* (5) vol. 5, p. 35

buxi, *Coccus*, Fonscolombe, 1834, *Annls Soc. entomol. France* vol. 3, p. 218

ERIOCOCCINI Cockerell, 1899, *Bull. Illinois nat. Hist. Survey*, vol. 5, p. 389

Eriococcus Targioni-Tozzetti, 1868, *Introduzione alla seconda memoria per gli studi sulle cocciniglie, e catalogo dei generi e delle species della famiglia dei Coccidi* (privately published), p. 726.

CERTIFICATE

I hereby certify that the votes cast on V.P.(80)38 were cast as set out above, that the proposal contained in that voting paper has been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission on Zoological Nomenclature, is truly recorded in the present Opinion No. 1203.

R.V. MELVILLE *Secretary*
International Commission on Zoological Nomenclature
 London 8 July 1981